

- Al
- (a) preparing a solution containing the metal ions in stoichiometric ratio by dissolving their soluble salts in an organic solvent or in water,
  - (b) preparing a precursor by complexing the metal ions with a complexing agent while keeping the ratio of the charges of the acid to the charges of the metal ions as unity;
  - (c) adjusting the nitrate/ammonia content in the system; and
  - (d) heating the system from room temperature to 250-300°C.

SUB B1

~~Claim 2 (Amended). A process as claimed in claim 1 wherein the desired oxide contains one cation selected from the group comprising of  $\text{Al}_2\text{O}_3$ ,  $\text{ZrO}_2$ ,  $\text{TiO}_2$ ,  $\text{HfO}_2$ ,  $\text{MgO}$ , and  $\text{SiO}_2$ .~~

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